

TEXAS DEPARTMENT OF INSURANCE

Engineering Services Program / MC 103-3A 333 Guadalupe Street P.O. Box 149104 Austin, Texas 78714-9104
Phone No. (512) 322-2212 Fax No. (512) 463-6693

PRODUCT EVALUATION DR-510

Effective February 1, 2012

*The following product has been evaluated for compliance with the wind loads specified in the **International Residential Code (IRC)** and the **International Building Code (IBC)**. This product shall be subject to reevaluation **April 2015**.*

This product evaluation is not an endorsement of this product or a recommendation that this product be used. The Texas Department of Insurance has not authorized the use of any information contained in the product evaluation for advertising, or other commercial or promotional purpose.

This product evaluation is intended for use by those individuals who are following the design wind load criteria in Chapter 3 of the IRC and Section 1609 of the IBC. The design loads determined for the building or structure shall not exceed the design load rating specified for the products shown in the limitations section of this product evaluation. This product evaluation does not relieve a Texas licensed engineer of his responsibilities as outlined in the Texas Insurance Code, the Texas Administrative Code, and the Texas Engineering Practice Act.

Series 7600 Vinyl Sliding Patio Doors, Non-Impact Resistant, manufactured by

General Aluminum Company of Texas, LP
1001 W. Crosby Road
Carrollton, Texas 75006
Telephone: (972) 242-5271

will be acceptable in designated catastrophe areas along the Texas Gulf Coast when installed in accordance with the manufacturer's installation instructions, the design drawings referenced in this evaluation report, and this product evaluation report.

PRODUCT DESCRIPTION

The Series 7600 door is a vinyl sliding glass door. The vinyl sliding glass doors evaluated in this report are individual, non-impact resistant doors. This product evaluation report is for vinyl sliding glass doors based on the following tested constructions:

General Description:

System	Description	Label Rating
1	Series 7600 Vinyl Sliding Patio Door; (OXO)	SD-R25 106 x 80

Component Dimensions:

System	Overall Door Size
1	106" x 80"

Glazing Description:

System	Glass Construction ¹	Glazing Method ²
1	IG-1	GM-1

Note: ¹ See the "Glass Construction Key" for the glazing construction.

² See the "Glazing Method Key" for the glazing method description.

Glass Construction Key:

IG-1: The fixed and operable panels contain a sealed insulating glass unit. The sealed insulating glass units are comprised of two double strength ($\frac{1}{8}$ ") fully tempered glass lites separated by a Duraseal spacer system. The glass thickness used in the tested assembly and the smaller assemblies shall comply with ASTM E 1300-04.

Glazing Method Key:

GM-1: The insulating glass units are exterior glazed with two side adhesive foam tape at the exterior of the glass and a rigid PVC snap-in glazing bead at the interior of the glass.

Frame Construction: The frame members are manufactured from extruded vinyl (PVC).

Panel Construction: The panel members are manufactured from extruded vinyl (PVC).

Reinforcement: Galvanized steel is used at the operable panel lock stile and both fixed and operable interlocks.

Product Identification: A certification program label (AAMA) will be affixed to the window. The certification program label includes the manufacturer's code name (GA-1); product name: **Series 7600 SGD**; performance characteristics; and approved inspection agency to indicate compliance with AAMA/WDMA/CSA 101/I.S.2/A440-05.

LIMITATIONS

Design pressures (DP):

System	Overall Width (in.)	Overall Height (in.)	Design Pressure (psf)
1	106	80	± 25

Impact Resistance: These door assemblies do not satisfy the Texas Department of Insurance's criteria for protection from windborne debris. These door assemblies will need to be protected with an impact protective system when installed in areas where windborne debris protection is required.

Acceptance of Smaller Assemblies: Door assemblies with dimensions equal to or smaller than those specified above are acceptable within the limitations specified in this report.

INSTALLATION INSTRUCTIONS

General: The door assembly shall be installed in accordance with the manufacturer's installation instructions and the approved drawings specified in this evaluation report.

Wall Framing Construction: The doors shall be secured to minimum Southern Pine dimension lumber.

Installation: The sliding glass door is secured to the wall framing using the door frame nailing fin with minimum 6d common nails. The fasteners shall be spaced approximately 6 inches from each corner and approximately 17 inches on center along the perimeter of the window. The fasteners shall be long enough to penetrate a minimum of $1\frac{1}{2}$ inches into the wall framing.

Note: The manufacturer's installation instructions and the approved drawings shall be available on the job site during installation. All fasteners shall be corrosion resistant as specified in the International Residential Code (IRC), the International Building Code (IBC), and the Texas Revisions.